



Motorized Pulley 113LS

Ø 4.53 in. (113 mm), helical steel gearbox

Power & Speed Combinations: 3 phase														
Power HP	Poles (rpm)	FLA (amps) ¹	No. Gear Stages	Gear Ratio	Nominal belt speed at Full Load 60 Hz fpm ²	Actual belt speed at Full Load 60 Hz fpm ²	Belt Pull lbs	Max. Radial Load T1 + T2 lbs ³	RL in					
0.05	12 (540)	0.88/0.47	3	42.66	12	15	100	1470	min 9.84 max 55.12					
				36.35	14	17	85							
				31.36	18	20	73							
0.09	12 (520)	1.11/0.63	3	42.66	12	14	207	1470	min 11.81 max 55.12					
				36.35	14	17	177							
				31.36	18	19	152							
0.11	8 (825)	0.97/0.56	3	42.66	24	23	149	1470	min 9.84 max 55.12					
0.13	6 (1100)	0.87/0.44	3	42.66	26	30	140	1470						
				36.35	30	35	119							
				31.36	38	41	103							
				27.32	48	47	90							
				23.99	52	53	79							
				21.18	60	60	70							
2	15.17	76	84	50	1020									
						12.92	96	99		42				
						11.15	120	115		37				
0.20	8 (810)	1.47/0.78	3	42.66	24	22	285	1470	min 11.81 max 55.12					
				36.35	26	26	243							
				31.36	30	30	210							
	4 (1700)	1.02/0.55	3	42.66	48	46	136	1470	min 9.84 max 55.12					
				36.35	52	54	116							
				31.36	60	63	100							
				2	15.17	72	72	87		1020				
											23.99	76	83	76
											21.18	90	93	67
											12.92	150	153	41
											11.15	165	178	36
											770			
0.25	6 (1120)	1.40/0.70	3	42.66	30	31	275	1470	min 11.81 max 55.12					
				31.36	38	42	202							
				27.32	48	48	176							
				23.99	52	54	155							
				21.18	60	62	137							
			2	15.17	76	86	98	1020						
										12.92	96	101	83	
										11.15	120	117	72	

Refer to page 49 for all footnotes cited on page 48.

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0.33	2 (3430)	1.12/0.57	3	42.66	90	94	108	1020	min 9.84 max 55.12		
				36.35	96	110	92				
				31.36	120	127	79				
				27.32	150	146	69				
				23.99	165	167	61				
			21.18	192	189	53	770				
			15.17	240	263	38					
			12.92	300	309	33					
			2	11.15	384	358	28				
0.40	4 (1700)	1.66/0.87	3	42.66	48	46	272	1470	min 11.81 max 55.12		
				36.35	52	54	232				
				31.36	60	63	200				
				27.32	72	72	174				
				23.99	76	83	153				
			21.18	90	93	135	1020				
			15.17	120	131	97					
			12.92	150	153	82					
			2	11.15	192	178	71	770			
0.50	4 (1680)	2.03/1.01	3	42.66	48	46	339	1470	min 11.81 max 55.12		
				36.35	52	54	289				
				31.36	60	62	249				
				27.32	72	72	217				
				23.99	76	82	191				
			21.18	90	92	168	1020				
	15.17	120	129	121							
	12.92	150	151	103							
				2	11.15	165	175	89		770	
	2 (3470)	1.51/0.76	3	21.18	192	191	82				
				2	15.17	240	266	58			
					12.92	300	313	50			
11.15			384		362	43					
0.75			2 (3440)	2.20/1.09	3	42.66	90	94	246		1020
						36.35	96	110	210		
	31.36	120				128	181				
	27.32	150				147	158				
	23.99	165				167	138				
	21.18	192			189	122	770				
	15.17	240			264	88					
	12.92	300			310	75					
			2	11.15	384	359	64				

- 1 FLA = full load amps at 230volts and 460 volts, respectively.
- 2 Use "Nominal Speed" to specify pulley. "Actual belt speed" is presented (for unlagged pulley) to assist with process design calculations. See "Actual Speed vs Nominal Speed" section in Technical Precautions. Note that actual belt speed increases when lagging is used due to increased pulley diameter.
- 3 Pulley must not be subjected to radial load exceeding "Maximum Radial Load" defined above. See "Belt Tension" section in Technical Precautions.